



## AVM601

### Human Detection PIR Camera

#### z OVERVIEW

This human detection camera is equipped with the PIR sensor and advanced RF technology to identify every visitor's identity to secure your safety. To avoid a false alarm for human detection, two sets of setting criteria can be made: movement & temperature frequency. Anyone without the RF controller will trigger the PIR alarm, and the alarm signals will be transmitted to the recording device, such as the DVR, via the video cable.

#### z FEATURES

1. Built-in Infrared sensor alarm for human detection
  - False alarms can be avoided by setting two criteria: movement & temperature frequency.
2. Remote control available with a RF controller
3. IR LEDs Built-in for 24-hour day & night surveillance
4. Smart Light Control (Dynamic adjustment for clear and accurate Image)

##### Clear and Sharp Image Without Over-exposure:

Compared with conventional IR cameras to use CDS sensor only for controlling IR light, IR<sup>pro</sup> series products use both "CDS" and Image Comparison" method to judge whether IR LEDs should be activated for light compensation.

##### Longer IR LED Life:

Because of the effective control of IR LEDs and exclusive MCU design, the IR LED life is greatly extended and reduces the cost for using this camera.

## z SPECIFICATIONS

Model	AVM601
Pick-up Element	1/3" HR color CCD image sensor
Number of Pixels	768(H)x494(V) <NTSC> / 752(H)x582(V) <PAL>
Resolution	480 TVL
Min. Illumination	0.17 Lux / F2.0 (IR LED OFF)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
S/N Ratio	More than 48dB (AGC off)
IR LED	12 units
Day & Night	YES
Smart Light Control	YES
Lens	f 3.6mm / F2.0; f 6.0mm / F2.0
Lens Angle	92° / 54°
Video Output	1.0Vp-p composite, 75Ω
PIR Detection Range	40° wide angle with 5m long distance at 2m height (under 25°C)
PIR Alarm Output	YES
Remote Control	YES (over 20m without block)
DCC Support	YES
Power Source (±10%)	DC11V / 500mA
Current Consumption (±10%)	110mA (IR OFF), 260mA (IR ON)
Dimensions (mm)**	90(W) x 145(H) x 32(D)
Net Weight (g)	220

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm

# AVC547E

## H.R. IR CAMERA



### z OVERVIEW

Equipped with 35 IR LEDs and satisfactory minimum illumination, this high resolution IR camera can provide clear and sharp images for 24-hour day and night surveillance.

### z FEATURES

- (1) High resolution of 520 TV lines
- (2) High sensitivity in the dark environment, 0.3 Lux / F2.0, 0 Lux (IR ON)
- (3) Day and night features for 24-hour surveillance
- (4) Excellent image quality
- (5) IR LED effective range reaches up to 25 meters
- (6) IP67, suitable for outdoor use

### z SPECIFICATIONS

Model	AVC547E
<b>Pick up Element</b>	1/3" Color CCD image sensor
<b>Number of Pixel</b>	768(H) x 494(V) <NTSC> / 752(H) x 582(V)) <PAL>
<b>Resolution</b>	520TV lines
<b>Min. Illumination</b>	0.3 Lux / F2.0, 0 Lux (IR ON)
<b>S/N Ratio</b>	More than 48dB (AGC off)
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.
<b>Lens</b>	f3.6mm / F2.0
<b>Lens Angle</b>	92.6°
<b>IR LED</b>	35 Units
<b>Effective Range</b>	25 Meters
<b>IRIS Mode</b>	AES
<b>AGC</b>	Auto
<b>White Balance</b>	ATW
<b>IP rating</b>	IP67
<b>Video Output</b>	1.0Vp-p composite, 75Ω
<b>Power Source (±10%)</b>	DC12V
<b>Current Consumption (±10%)</b>	90mA (IR OFF), 340mA (IR ON)
<b>Dimension (mm)**</b>	142(H) x 75 (Φ)

\* The specifications are subject to change without notice.

\* Dimensional Tolerance: ± 5mm

# AVC547

## High Resolution 24 LEDs IR Camera



### OVERVIEW

This HIGH RESOLUTION surveillance camera series is designed to suit versatile security demand. With the HIGH QUALITY PERFORMANCE and COMPETITIVE PRICE, it makes your security demand affordable.

### FEATURES

1. 1/3" HR Color CCD
2. High resolution of 500 TVL
3. Low light sensitivity of 0.6 Lux at F2.0
4. IR projection distance: over 15 meters with 24 IR LEDs
5. Meet IP67 international standards

### SPECIFICATION

MODEL	AVC547
Pick up Element	1/3" HR color CCD image sensor
Number of Pixel	771(H) x 492(V) <NTSC> / 753(H) x 582(V) <PAL>
Resolution	500 TV lines
Min. Illumination	0.6 Lux / F2.0
IR LED	24 units
Effective Range	Over 15 Meters
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
Lens	3.6mm / F2.0
Lens Angle	92.6°
IRIS Mode	AES
White Balance	ATW
IP Rating	IP67
Video Output	1.0 Vp-p composite, 75Ω
Power Source (±10%)	DC12V
Current Consumption (±10%)	90mA (IR off) ~ 330mA (IR on)
Dimension (mm)**	103.2(L) x 63(W) x 58(H)

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm

# AVC472

## H.R. IR Camera



### z FEATURES

- (1) Cable management to prevent intentional cable damaging
- (2) High resolution of 520 TV Lines
- (3) High sensitivity in the dark environment, 0.1 Lux / F1.4, 0 Lux (IR ON)
- (4) Smart Light Control to avoid over-exposure
- (5) Day and night features for 24-hour surveillance
- (6) IR distance: up to 40 meters with 56 IR LEDs
- (7) IP67, suitable for outdoor use

### z SPECIFICATIONS\*

Model	AVC472
Pick up Element	1/3" HR color CCD image sensor
Number of Pixel	768(H) x 494(V) <NTSC> / 752(H) x 582(V) <PAL>
Resolution	520 TV lines
Minimum illumination	0.1 Lux / F1.4, 0 Lux (IR ON)
IR LED	56 units
IR Effective Range	Up to 40 meters
Smart Light Control	YES
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
Lens	f6.0mm / F1.4
Lens Angle	62°
White Balance	ATW
AGC	Auto
IRIS Mode	AES
IP Rating	IP67
Video Output	1.0Vp-p composite, 75Ω
Operating Temperature	0°C~40°C
Power Source (±10%)	DC12V / 1A
Current Consumption (±10%)	70mA (IR OFF), 590mA (IR ON)
Dimensions (mm)**	115.6(Ø) x 216.4(H)

\* The specifications are subject to change without notice.

\* Dimensional Tolerance: ± 5mm



# AVC542 Dome Camera

## OVERVIEW

This HIGH RESOLUTION surveillance camera series is designed to suit versatile security demand. With the HIGH QUALITY PERFORMANCE and COMPETITIVE PRICE, it makes your security demand affordable.

## FEATURES

1. 1/3" HR Color CCD
2. High resolution of 480 TVL
3. Low light sensitivity of 0.6 Lux at F2.0

## SPECIFICATION\*

MODEL	AVC542
Pick up Element	1/3" HR color CCD image sensor
Number of Pixel	771(H) x 492(V) <NTSC> / 753(H) x 582(V) <PAL>
Resolution	480 TV lines
Min. Illumination	0.6 Lux / F2.0
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
Lens	f3.6mm / F2.0
Lens Angle	92°
IRIS Mode	AES
White Balance	ATW
Video Output	1.0 Vp-p composite, 75Ω
Power Source	DC12V ± 10%
Current Consumption	90 mA
Dimension (mm)**	104(Ø) x 60(H)
Net Weight (g)	262

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm



## PRODUCT OVERVIEW

This series of color camera employs 1/3" Sony High Resolution Color Super HAD CCD image sensor, which provide extremely long life and high reliability. Besides the built-in sensitive microphone also increases the quality of surveillance.



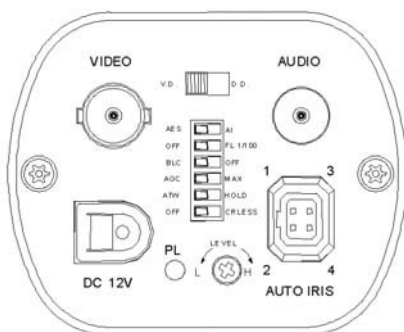
## FEATURES

- z **Crystal & Clear Image:**  
1/3" Sony H.R. Color Super HAD CCD image sensor to provide superior pictures
- z **High Resolution:**  
Excellent picture quality with high resolution
- z **Satisfied Min. Illumination:** 0.25 / F1.2
- z **With Sensitive Microphone**
- z Built in Auto Electronic Shutter
- z Signal-to-noise ratio more than 48dB

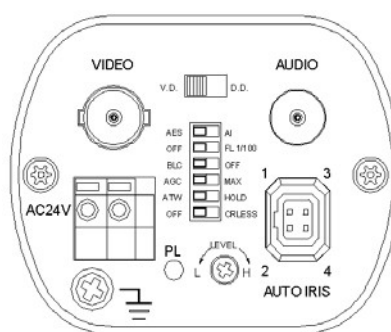
## REAR PANEL

DC12V $\pm$ 10%

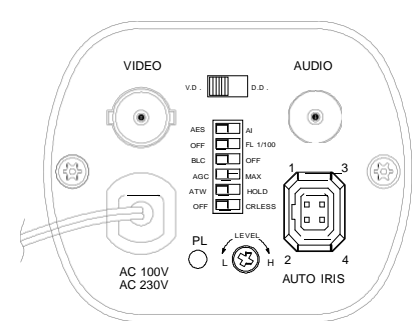
AC24V / 100V / 230V



DC12V



AC24V



AC100V / AC230V

## SPECIFICATION

<i>SPECIFICATION</i>	<i>509</i>
Pick up Element	1/3" SONY Color Super HAD CCD image sensor
Number of Pixels	768(H) x 494(V) <NTSC> / 752(H) x 582(V) <PAL>
Resolution	480 TV lines
Min. Illumination	0.25Lux / F1.2
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 to 1/100,000 second (NTSC); 1/50 to 1/100,000 second (PAL)
Lens Mount	C / CS mount changeable
Iris Mode	AES / D.D. / V.D. selectable
BLC	On / Off
AGC	Normal / Max selectable
Flickerless	On (FL1/100(120)) / Off selectable
White Balance	ATW / HOLD
CRLESS	On / Off
Video Output	1.0Vp-p composite, 75Ω
Audio	Audio
Power Source	AC24V / AC100V ~ 240V ± 10% / DC12V ± 10%
Power Consumption	3 W Max. (AC24V) 2.4 W Max. (AC100V ~ 240V ± 10%) 95mA ± 10% (DC12V)
Dimension (mm)	107.3(L) * 65.5(W) * 50(H)





## PRODUCT OVERVIEW

This type of cameras is especially designed for the environments where vandalism or other violent attack might occur. Made of vandal-resistant materials, it can sustain violent impact which will surely damage other normal cameras. Furthermore, it is flexible to install with a 3-axis camera mechanism

## FEATURES

- ¾ **Crystal & Clear Image:** 1/3" Sony Super HAD CCD image sensor
- ¾ **High Resolution:** Support high resolution of 520 TV lines
- ¾ **Vandal Proof:** Special cover materials to withstand strong impact
- ¾ **Special Assembling Method:** All components are secured by just one screw
- ¾ **Signal-to-Noise Ratio more than 52dB** (High Resolution Model only)
- ¾ **Free Viewing Angle:** Versatility of a 3-axis camera lens to freely rotate (1), tilt (2) and pan (3) to every angle



## SPECIFICATION

SPECIFICATION	985	986
Pick up Element	1/3" SONY Color Super HAD CCD image sensor	
Number of Pixel	510(H)x492(V) <NTSC> / 500(H)x582(V) <PAL>	768(H)x494(V) <NTSC> / 752(H)x582(V) <PAL>
Resolution	350 TV lines	520 TV lines
Min. Illumination	0.5Lux / F2.0	1Lux / F2.0
S/N Ratio	More than 48dB (AGC off)	More than 52dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 second	
Lens	f3.6 mm / F2.0	
Lens Angle	92°	
Lens Angle Adjustment Range	Panning: 180°; Tilting: 180°; Rotating: 170°	
Iris Mode	AES	
BLC	On	
AGC	Auto	
White Balance	ATW	
CRLESS	— —	On
Vandal Resistance	IPxx7	
Video Output	1.0Vp-p composite, 75Ω	
Power Source	DC12V ± 10% regulated	
Current Consumption	90mA	160mA
Dimension (mm)	93.4(Ø) x 69(H)	
Gross Weight	357g	

\* The specifications are subject to change without notice.

## PRODUCT OVERVIEW

This type of the cameras is perfect for those who prefer to see different picture views without changing another lens. Built in a vari-focal lens, this dome camera helps to simplify the process of changing another lens for different viewing angles, and provides 480 TV lines resolution. A microphone is also designed for this surveillance camera.

## FEATURES

- ¾ **Crystal & Clear Image:** 1/3" Sony Super HAD CCD image sensor
- ¾ **High Resolution:** Support high resolution of 480 TV lines
- ¾ **Satisfied Minimum Illumination:** 0.5Lux / F1.6
- ¾ **Built-in Vari-focal type:** Direct drive auto iris lens, f=4.0~9.0mm F=1.6~2.4.
- ¾ **With audio function**

## SPECIFICATION

	<i><b>AVC904</b></i>
Pick-up Element	1/3" SONY Color Super HAD CCD image sensor
Number of Pixels	768(H)x494(V) <NTSC> / 752(H)x582(V) <PAL>
Resolution	480 TV lines
Min. Illumination	0.5 Lux / F1.6
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
Lens	4.0mm ~ 9.0mm
Lens Angle	83° ~ 36°
Iris Mode	D.D
BLC	On / Off
AGC	Normal / Max
Flickless	On (NTSC : 1/100 ; PAL : 1/120) / Off
White Balance	ATW / HOLD
CRLESS	On / Off
Video Output	1.0 Vp-p composite, 75Ω
Audio	Yes
Power Source	DC12V ± 10%
Current Consumption	110 mA ± 10%
Dimension (mm, ± 5)	122(L) x 85(W) x 131(H)
Gross Weight (g)	365g

\* The specifications are subject to change without notice.

# AVK016 Vari-Focal Dome Camera



## OVERVIEW

This vari-focal dome camera series, designed for middle/high-end market, is featured with excellent performance under low Lux. Equipped with F1.4 large aperture, this camera will be the best solution for gloomy environment. Its f4.0 ~ f9.0mm vari-focal lens (Auto Iris) offers more flexibility for diverse environments. What's more, vandal-proof design makes this product withstand damages caused by external force.

## FEATURES

1. 1/3" HR Color CCD
2. F1.4 Large Aperture
3. f4.0 ~ f9.0 mm Vari-focal Lens (Auto Iris)
4. Supports 0.15 Lux at F1.4
5. Vandal-proof Housing Design (IPxx7)

## SPECIFICATIONS\*

MODEL	AVK016
Pick up Element	1/3" HR color CCD
Number of Pixel	771(H) x 492(V) <NTSC> / 753(H) x 582(V) <PAL>
Resolution	520 TVL
Min. Illumination	0.15 Lux / F1.4
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec
Vari-focal Auto Iris Lens	f4.0mm ~ f9.0mm
Lens Angle	75° ~ 36°
IRIS Mode	Auto Iris
White Balance	ATW
Vandal-Proof Rating	IPxx7
Video Output	1.0 Vp-p composite, 75Ω
Power Source (±10%)	DC12V
Current Consumption (±10%)	85mA
Dimension (mm)**	124.3(Ø) x 92(H)
Net Weight (g)	460

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm



# AVC863H

## 21 LEDs Dome Camera



### FEATURES

- (1) High resolution for clearer and sharper images
- (2) High sensitivity in the dark environment, 0.6 Lux / F2.0, 0Lux (IR ON)
- (3) Day and night features for 24-hour surveillance
- (4) IR LED effective range reaches up to 15 meters

### SPECIFICATIONS\*

MODEL	AVC863H
Pick-up Element	1/3" H.R. Color CCD image sensor
Number of Pixels	771(H) x 492(V) <NTSC> / 753(H) x 582(V) <PAL>
Resolution	500 TV Lines
Min. Illumination	0.6 Lux / F2.0, 0Lux (IR ON)
IR LED	21 units
Effective Range	Up to 15 Meters
S/N Ratio	More than 48dB (AGC OFF)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.
Lens	f3.6mm / F2.0
Lens Angle	92.6°
IRIS Mode	AES
White Balance	ATW
Video Output	1.0 Vp-p composite, 75Ω
Power Source (±10%)	DC12V
Current Consumption (±10%)	90mA (IR OFF), 280mA (IR ON)
Dimensions (mm)**	94.1(Ø) x 70.7(H)

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm



# AVM206 (Outdoor)

## z OVERVIEW

To satisfy the environments where low visibility is encountered and high demand of safeguard is a necessity, we're proud to announce the presence of this new innovative IR<sup>pro</sup> series camera.

Equipped with "IR Shifter", "Smart Light Control" and a large aperture lens (F1.4), this camera optimizes the advantages of an IR camera to provide sharp and clear images, and smartly extends the life of an IR camera to provide great reliability.

## z FEATURES

### 1. Smart Light Control (dynamic adjustment for clear and accurate Image):

#### Clear and Sharp Image Without Over-exposure:

Compared with conventional IR cameras to use CDS sensor only for controlling IR light, IR<sup>pro</sup> series products use both "CDS" and Image Comparison" method to judge whether IR LEDs should be activated for light compensation.

#### Longer IR LED Life:

Because of the effective control of IR LEDs and exclusive MCU design, the IR LED life is greatly extended and reduces the cost for using this camera.

### 2. Patent Mechanical IR Filter (get true color and clear images):

#### Daytime (True Color):

True color is presented for these IR camera series to receive the same visible light as human beings can see.

#### At night (Clear Image):

IR Filter is automatically shifted away for the CCD to receive Infrared light passing through the lens providing clear and better images. Besides, the sensor sensitivity and brightness are raised up compared with traditional IR cameras because of the usage of the large aperture lens.

### 3. Large Aperture Lens:

#### Large Amount of Light Passing Through Lens:

Equipped with large aperture (F1.4) lenses, the amount of light passing through the lens for these IR camera series are more than other normal cameras in the market.

#### Lower Power Consumption:

Because of the large amount of light passing through the lens, IR LEDs do not need to be always on for night surveillance. This not only reduces the power consumption, but also extends the IR LED life of your IR<sup>pro</sup> camera.

### 4. UV-resistant and hard coating materials for dome cover

### 5. IR effective distance over 30 meters

### 6. Optimal IR heat treatment solution

### 7. High resolution of 480 TV lines to provide clear images

## z SPECIFICATION

MODEL	AVM206
Pick-up Element	1/3" SONY Color Super HAD CCD image sensor
Number of Pixels	768(H)x494(V) <NTSC> / 752(H)x582(V) <PAL>
Resolution	480TV Lines
Min. Illumination	0.5 Lux / F1.4 (IR LED OFF)
Effective Distance	30m
IR LED	36 units
S/N Rate	More than 48dB (AGC off)
Lens	f6.0mm / f8.0mm
F-number	F1.4
Lens Angle	56° / 42°
Video Output	1.0Vp-p composite, 75Ω
IR LED Control	Smart Light Control
D&N Filter Control	Auto IR Shifter
IP Rating	IP666
Power Source	DC12V ± 10%
Current / Power Consumption	550 mA
Operating Temperature	-10°C ~ 40°C (14°F~104°F)
Dimension (mm)	130 (Ø) x 125 (H)
Weight	759 g

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm



# AVM228

## High Resolution Outdoor IR Camera (W / 100 LEDs)

### z OVERVIEW

To satisfy the environments where low visibility is encountered and high demand of safeguard is a necessity, the high resolution true D&N IRpro camera series, AVM228, not only keeps all the advantages of this series to provide sharp and clear images during the daytime and at night, but also utilizes a new concept to automatically zoom in to the central zone once any intruder's motion is detected. Beside, it also supports license plate recognition with the slow shutter feature, and DCC (DVR / Camera Communication) technology to simplify the camera installation and control.

### z FEATURES

- z Optical Smart Zoom
  - > Enlarges images up to 3X optical zoom automatically once motion triggered
- z Auto Zoom Lens
  - > f4.0 ~ f9.0mm Auto Zoom Lens, adjustable by DVR
- z DCC (DVR / Camera Communication) Support
  - > Sets camera parameters and lens focus directly via DVR
  - > Allows control signals to go through one coaxial cable without a RS485 control cable
- z License Plate Recognition
  - > Helps to identify the license plate of a moving car with the slow shutter feature
- z Knock Sensor Built-in
  - > Sends signals to DVR immediately when anyone intends to break this camera
- z Smart Light Control
  - > Avoids overexposure even when an object is close to the camera for clear and accurate images
  - > Extends the lifetime of IR LEDs with smart control to determine the IR LED activation
- z Patent Mechanical IR Filter Shift Technology
  - > True color during daytime
  - > Extremely clear images during the nighttime; reduced focus shift
- z High resolution of 520 TV lines for sharp & clear images
- z Optimal IR heat treatment solution
- z Professional design for outdoor use
- z Long distance surveillance for 24 hours a day

## z SPECIFICATIONS

MODEL	AVM228
Pick-up Element	1/3" HR color CCD image sensor
Number of Pixels	768(H)x494(V) <NTSC> / 752(H)x582(V) <PAL>
Resolution	520 TV Lines
Min. Illumination	0.3 Lux / F1.4 (IR OFF) 0 Lux / F1.4 (IR ON)
S/N Rate	More than 48dB (AGC off)
Lens Focal Length	f4mm ~ f9mm(F1.4~1.8)
F-number	F1.4~F1.8
Focus	2m~inf.(Tele), 1m~inf.(Wide)
Lens Angle	75° ~ 36°
IR LED	100 units
Effective Distance	50m / 100m (slow shutter mode)
IR LED Control	Smart Light Control
D&N Filter Control	Auto IR Shifter Built-in
Iris Mode	Auto Iris
White Balance	ATW
Electronic Shutter	1/2000 for 200 km/hr capture
Slow Shutter	Standard 4X Slow (Approx. 7.5 FPS <NTSC> / 6.25 FPS <PAL>) Max 256X Slow (Approx. 1 Frame in 8.5 Seconds < NTSC> / 10 Seconds <PAL>)
DCC Support	YES
License Plate Recognition	YES
Knock Sensor	YES
IP Rating	IP67
Video Output	1.0Vp-p composite, 75Ω
Power Source (±10%)	AC100V ~ 240V
Power Consumption (±10%)	30W ~ 35W
Operating Temperature	-40°C ~ 60°C
Dimensions (mm)**	250 (L) x 137 (W) x 114.12 (H)
Weight (kg)	1.92

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm





## PRODUCT OVERVIEW

This is a color CCD video camera employed a 1/3" Color CCD. The camera provides standard resolution and different view angle of lenses are selectable.

## FEATURES

**Fine Image:** 1/3" Sony Super HAD Color CCD image sensor to provide superior pictures

**Standard Resolution:** Excellent picture quality with standard resolution

**Satisfied Min. Illumination:** 0.5 Lux / F2.0; 0 Lux (10 meter IR ON)

**IR LED:** 12 units Infrared LED

**Effective Range:** Over 10 Meters

**Automatic IR trigger-on under low illumination**

**Automatic IR off under normal illumination**

**Water Resistance:** IP67

**Built-in Auto Electronic Shutter**

**Signal-to-noise ratio more than 48dB**

## SPECIFICATIONS

SPECIFICATION	667R
Pick up Element	1/3" SONY Super HAD Color CCD image sensor
Number of Pixels	510(H)x492(V) <NTSC> / 500(H)x582(V) <PAL>
Resolution	standard
Min. Illumination	0.5Lux / F2.0; 0Lux (10 meter IR ON)
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 second
Lens	f3.6mm / F2.0, f6.0mm / F2.0 selectable
Lens Angle	92.6° / 54°
Iris Mode	AES
BLC	ON
AGC	AUTO
White Balance	ATW
Video Output	1.0Vp-p composite, 75Ω
Power Source	DC12V ± 10%
Current Consumption	110mA (IR OFF), 260mA (IR ON)
Water Resistance	IP67
IR LED	12 units
Effective Range	Over 10 Meters
Dimension (mm)	63(W) X 58(H) X 103.2(L)
Net Weight	345g

\* The specifications are subject to change without notice.

## PRODUCT OVERVIEW

This PIR CCD camera is a motion-activated camera that incorporates a CCD Camera with a PIR motion sensor. It can be used as an accessory of an alarm system or a standalone monitoring device. You can also use this PIR camera to switch on a lamp when any movement is detected.



## FEATURES

- z 350 TV lines of horizontal resolution and high quality picture
- z Built in Auto Electronic Shutter
- z Built-in pinhole lens: f3.7 / F2.0
- z Minimum illumination of 0.5 Lux / F2.0
- z Signal-to-noise ratio of 48dB
- z Easy to install, easy to use

## SPECIFICATION

	<b>AVC826</b>
<b>Pick up Element</b>	1/3" Sony Color CCD image sensor
<b>Number of Pixel</b>	512(H) x 492(V) <NTSC> / 512(H) x 582(V) <PAL>
<b>Resolution</b>	350 TV lines
<b>Min. Illumination</b>	0.5 Lux / F2.0
<b>S/N Ratio</b>	More than 48dB (AGC off)
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.
<b>Microphone</b>	YES
<b>Video Output</b>	1.0Vp-p composite 75Ω
<b>Standard Pinhole Lens</b>	f3.7mm / F2.0
<b>Lens Angle</b>	90°
<b>Power Source</b>	DC12V±10%
<b>Current Consumption</b>	160mA
<b>PIR Detection Range</b>	100° with 10 meters and 2 meters high (at 25°C)
<b>Lamp Control Loading</b>	1,250W (max)
<b>PIR Alarm Output</b>	N.C./N.O., max loading 30Vdc, 0.5A
<b>Dimension (mm)**</b>	70(W) ×110(H) ×49(D)
<b>Net Weight</b>	128.5g

\* Specifications are subject to change without any prior notice.

\*\* Dimensional Tolerance: ± 5mm

# AVC566

## 1/3" Color Mini Camera

### Features

- z 1/3" Sony Color CCD image sensor
- z Standard resolution
- z 0.5 Lux / F2.0.
- z AGC, AWB, AES



### Specification

Model	AVC566N/F36 AVC566N/P37C	AVC566P/F36 AVC566P/P37C
Pick up Element	1/3" Sony Color CCD image sensor	
Number of Pixel	510(H)x492(V) <NTSC>	500(H)x582(V) <PAL>
Resolution	Standard	
Min. Illumination	0.5 Lux / F2.0	
S/N Ratio	More than 48dB (AGC off)	
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.	
Gamma Correction	0.45	
White Balance	Auto white balance	
AGC	Yes	
Standard Board Lens	f3.6mm / F2.0	
Pinhole Lens	f3.7mm / F2.0	
Lens Angle	Board Lens: 92.6° Pinhole Lens: 90°	
Video Output	1.0 Vp-p composite, 75Ω	
Microphone	Yes	
Power Source	DC12V± 10%	
Current Consumption	90 mA	
Dimension (mm)	Board Lens: 36(W) x 36(H) x 15.9(D) Pinhole Lens: 36(W) x 36(H) x 14.1(D)	
Net Weight	53g	

\* Dimensional Tolerance: ± 5mm

z Designs and specifications are subject to change without notice.

# AVC563HR

## Color Dome Camera

### Features

- z 520TV lines of horizontal resolution and high quality picture.
- z 1/3" Sony Color CCD image sensor
- z Built-in auto electronic shutter.
- z Minimum illumination of 1Lux / F2.0.
- z Signal-to-noise ratio of 52dB (AGC off).
- z Audio Function.



### Specification

<b>Pick up Element</b>	1/3" Sony Color CCD image sensor
<b>Number of Pixel</b>	752(H)x582(V) <PAL> / 768(H)x494(V) <NTSC>
<b>Resolution</b>	520 TV lines
<b>Min. Illumination</b>	1Lux / F2.0
<b>S/N Ratio</b>	More than 52dB (AGC off)
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.
<b>Gamma Correction</b>	0.45
<b>White Balance</b>	ATW
<b>BLC</b>	Auto Detection
<b>Lens Angle</b>	92°
<b>Video Output</b>	1.0Vp-p composite, 75Ω
<b>Power Source</b>	DC12V ± 10% regulated
<b>Current Consumption</b>	170mA
<b>AGC (Auto Gain Control)</b>	AGC Max
<b>Standard Board Lens</b>	f3.6 mm/F2.0
<b>Microphone</b>	Yes
<b>Dimension (mm)</b>	87(Ø) x 81(H)
<b>Weight</b>	282g

- z Designs and specifications are subject to change without notice.

# AVC548 / 549

## Regular Camera



### OVERVIEW

This HIGH RESOLUTION surveillance camera series is designed to suit versatile security demand. With the HIGH QUALITY PERFORMANCE and COMPETITIVE PRICE, it makes your security demand affordable.

### FEATURES

1. 1/3" HR Color CCD
2. Low light sensitivity of 0.6 Lux at F2.0
3. Built-in microphone

### SPECIFICATION

MODEL	AVC548	AVC549
Pick up Element	1/3" HR color CCD image sensor	
Number of Pixel	771(H) x 492(V) <NTSC> / 753(H) x 582(V) <PAL>	
Resolution	500 TV lines	
Min. Illumination	0.6 Lux / F2.0	
S/N Ratio	More than 48dB (AGC off)	
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.	
Lens Mount	CS or C Mount	
IRIS Mode	AES / VD / DD	
BLC	ON / OFF	
Sharpness	SOFT / SHARP	
White Balance	ATW / HOLD	
Video Output	1.0 Vp-p composite, 75Ω	
Microphone	Built-in	
Power Source (10%)	DC12V	AC230V / AC24V / DC12V
Current Consumption (10%)	100mA	--
Power Consumption (10%)	--	2W
Dimension (mm)**	117(L) x 60(W) x 50(H)	
Weight (g)	250g	430g

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ± 5mm

# AVN211

## H.264 Network Camera



### z FEATURES

- (1) Low-latency video streaming with H.264 compression format for sharp and clear images
- (2) Hybrid digital / analog video output
- (3) It is friendly to use by wizard with browser
- (4) Motion detection
- (5) Complete IP surveillance system, such as the Central Management System (CMS) software, Network-Attached Storage (NAS), Network Video Recorder (NVR), etc.

### z SPECIFICATIONS

AVN211	
■ Network	
LAN Port	YES
LAN Speed	10/100 Based-T Ethernet
Supported Protocols	DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP
Frame Rate	NTSC:30, PAL:25
Number of Online Users	10
Security	Multiple user access levels with password
Web management software	YES (Control up to 16 network cameras simultaneously)
■ Video	
Video Compression	H.264 / MPEG4 / MJPEG
Video Remote Control	YES
Video Adjustment	Brightness, Contrast, Saturation and Hue
Mobile	Supports 3GPP mobile surveillance

## z SPECIFICATIONS (CONTINUED...)

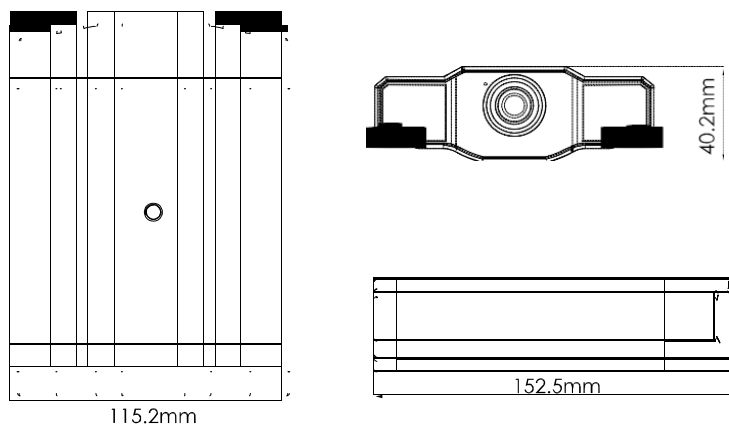
AVN211	
■ Camera	
Image Sensor	1/3" H.R. CCD image sensor
Pixels	768(H) x 494(V) <NTSC> / 752(H) x 582(V) <PAL>
Lens	f4.6mm
F-number	F1.9
Viewing Angle	60°
Shutter Speed	1 / 60 (1/50) to 1 / 100,000 sec.
Min Illumination	1 Lux
Video Output	1.0 Vp-p. 75Ω
BLC	AUTO
White Balance	ATW
■ Others	
Remote Control	YES
Motion Detection	YES
Power	DC12V, 0.5A
Operating Temperature	0~40°C
Humidity	85%
Minimum Web Browsing Requirements	<ul style="list-style-type: none"> <li>- Pentium 4 CPU 1.3 GHz or higher, or equivalent AMD</li> <li>- 256 MB RAM</li> <li>- AGP graphics card, Direct Draw, 32MB RAM</li> <li>- Windows XP, Windows 2000 Server, ME, 98, DirectX 9.0 or later</li> <li>- Internet Explorer 6.x or later</li> </ul>
Dimension (mm)**	152.5(L) x 115.2(W) x 40.2(H) (6.00" x 4.54" x 1.58")
Shipping Weight	812g (1.79 lbs) including mounting bracket and power supply
In/Out Door Use	Indoor

\* The specifications are subject to change without notice.

\*\* Dimensional tolerance: (± 5mm)

## z Dimensions (mm)

152.5 (L) x 115.2 (W) x 40.2 (H)



# AVI321 PTZ Network Camera



## z OVERVIEW

This PTZ network camera series is a high-performance device for use in professional and demanding surveillance situation. It supports multiple network protocols for MPEG4 or MJPEG live video transmission, and you can easily view, record and operate the camera via the supplied video viewer software or the web browser. Video surveillance over IP network infrastructure is available and easy from anywhere, at anytime.

## z FEATURES

- (1) Built-in 22x optical zoom lens with auto focus lens
- (2) Intelligent auto tracking function to follow intruders
- (3) Area Zoom functions – Draw a square in the live view with your mouse and the PTZ network camera will zoom in the assigned area.
- (4) Motion detection and alarm notification functions
- (5) Real time MPEG-4 network transmission
- (6) Low-latency video streaming for sharp and clear images
- (7) Hybrid digital / analog video output
- (8) Control network camera via Central Management System (CMS) software
- (9) Excellent precision controllability using joystick or keyboard controller
- (10) Support external microphone input
- (11) Complete IP surveillance system, such as the Central Management System (CMS) software, Network-Attached Storage (NAS), Network Video Recorder (NVR), etc.

## z SPECIFICATION

AVI321	
■ Network	
LAN Port	YES
LAN Speed	10/100 Based-T Ethernet
Supported Protocols	DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP
Frame Rate	NTSC:30, PAL:25
Number of Online Users	10
Security	Multiple user access levels with password
Web management software	YES (Control up to 16 network cameras simultaneously)



## z SPECIFICATION

AVI321	
<b>■ Video / Audio</b>	
Video Compression	MPEG4 / MJPEG
Video Remote Control	YES
Video Adjustment	Brightness, Contrast, Saturation and Hue
Audio Compression	uLaw , 128kbps
Audio Input	External Microphone Input
<b>■ Camera</b>	
Image Sensor	1/4" Sony Color Super HAD CCD
Pixels	768(H)*494(V)<NTSC> / 752(H)*582(V)<PAL>
Resolutions	480TV lines
Lens	f3.9 ~ 85.9mm
F-number	F1.6 (Wide) ~ 3.7 (Tele)
Viewing Angle	40° ~ 60°
Pan Range	360°
Tilt Range	90°
Zoom	22X Optical Zoom (f3.9 ~ 85.9mm)
Max Speed	Pan 360°/s, Tilt 90°/s
Shutter Speed	1 / 60 (1/50) to 1 / 100,000 sec.
Min Illumination	1 Lux / F1.6
Video Output	1.0 Vp-p. 75Ω
BLC	On / Off
White Balance	Auto / Indoor 1 / Indoor 2 / Sun / Cloudy * Indoor1 = 9000K; Indoor2 = 3000K; Sun = 5500K; Cloudy = 7000K
Camera ID	0~255
<b>■ Others</b>	
Remote Control	YES
Motion Detection	YES
Alarm and event Notification	Image upload over FTP and email
General I/O	Alarm in x1
Power	12VDC, 1.5A
Operating Temperature	0~40°C
Humidity	85%
Minimum Web Browsing Requirements	<ul style="list-style-type: none"> <li>- Pentium 4 CPU 1.3 GHz or higher, or equivalent AMD</li> <li>- 256 MB RAM</li> <li>- AGP graphics card , Direct Draw, 32MB RAM</li> <li>- Windows XP, Windows 2000 Server, ME, 98, DirectX 9.0 or later</li> <li>- Internet Explorer 6.x or later</li> </ul>
Dimension (mm)**	145(D) x 184(H)
In/Out Door Use	Outdoor

\* The specifications are subject to change without notice.

\*\* Dimensional tolerance: (± 5mm)



# AVN252

## Outdoor H.264 IR Network Camera



### FEATURES

- z True Day & Night surveillance & large aperture lens (F1.4)
- z The best cost / performance outdoor solution with IP67
- z IR effective distance up to 40 meters with 56 IR LEDs
- z Smart Light Control to avoid overexposure
- z Excellent outdoor ID design with cable management
- z Low-latency video streaming with H.264 compression format
- z Free CMS software with E-Map for multiple devices control & surveillance
- z Powerful mobile surveillance supporting iPhone, Blackberry & WinCE
- z Motion detection and alarm notification functions

### SPECIFICATIONS

AVN252	
■ Network	
Network Compression	H.264
LAN Port	YES
LAN Speed	10/100 Based-T Ethernet
Supported Protocols	DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP
Frame Rate	NTSC: 30, PAL: 25
Number of Online Users	10
Security	Multiple user access levels with password protection
Web management	(1) Web browsers, such as Internet Explorer, Mozilla FireFox or Google Chrome for single device access, or (2) Free CMS software, Video Viewer, for up to 16 network cameras control simultaneously
■ Camera	
Image Sensor	1/3" HR color CCD image sensor
Pixels	768(H) x 494(V) <NTSC> / 752(H) x 582(V)) <PAL>
Min Illumination	0.05 Lux / F1.4, 0 Lux (IR ON)
Shutter Speed	1 / 60 (1/50) to 1 / 100,000 sec.
S/N Ratio	More than 48dB (AGC off)
Lens	f6.0mm
Viewing Angle	48°

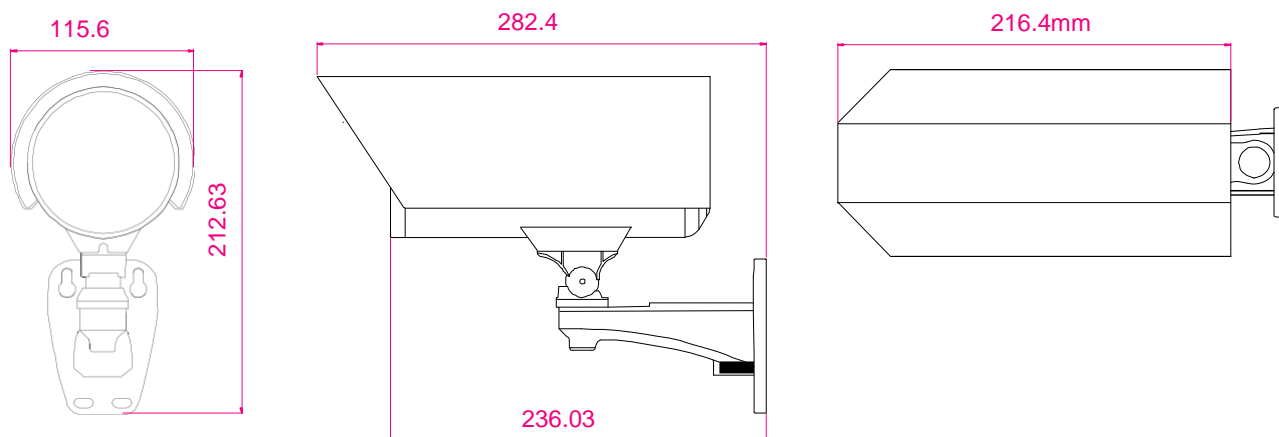
## SPECIFICATIONS (CONTINUED)

AVN252	
IR LED	56 units
IR Effective Range	Up to 40 meters
Smart Light Control	YES
White Balance	ATW
AGC	Auto
IRIS Mode	AES
IP Rating	IP67
Power Source ( $\pm 10\%$ )	DC12V / 1.5A
Startup Temperature	-10°C~40°C
Operating Temperature	-20°C~40°C
Dimensions (mm)**	282.4(L) x 115.6(W) x 212.63(H)
■ Others	
Mobile Surveillance	iPhone, BlackBerry & WinCE
Motion Detection	YES
Alarm and event Notification	By FTP and Email
Minimum Web Browsing Requirements	<ul style="list-style-type: none"> <li>- Pentium 4 CPU 1.3 GHz or higher, or equivalent AMD</li> <li>- 256 MB RAM</li> <li>- AGP graphics card, Direct Draw, 32MB RAM</li> <li>- Windows Vista, XP, Windows 2000 Server, ME, 98, DirectX 9.0 or later</li> <li>- Internet Explorer 6.x or later</li> </ul>

\* The specifications are subject to change without notice.

\*\* Dimensional tolerance: ( $\pm 5\text{mm}$ )

## Dimensions



# AVN222

## H.264 Dome Network Camera



### FEATURES

- z Smart Zoom: zoom in on the object that triggered the alarm
- z Low-latency video streaming with H.264 compression format
- z Free CMS software with E-Map for multiple devices control & surveillance
- z Powerful mobile surveillance supporting iPhone, Blackberry, WinCE, J2ME & Android
- z Motion detection and alarm notification functions

### SPECIFICATIONS

AVN222	
<b>Network</b>	
Network Compression	H.264 / MPEG4 / MJPEG
LAN Port	YES
LAN Speed	10/100 Based-T Ethernet
Supported Protocols	DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP
Frame Rate	NTSC: 30, PAL: 25
Number of Online Users	10
Security	Multiple user access levels with password protection
Web management	(1) Web browsers, such as Internet Explorer, Mozilla FireFox or Google Chrome for single device access, or (2) Free CMS software, Video Viewer, for up to 16 network cameras control simultaneously
<b>Camera</b>	
Image Sensor	1/3" HR color CCD
Pixels	771(H) x 492(V) <NTSC> / 753(H) x 582(V) <PAL>
Min Illumination	0.15 Lux / F1.4
Shutter Speed	1 / 60 (1/50) to 1 / 100,000 sec.
S/N Ratio	More than 48dB (AGC off)
Lens	f4.0mm ~ f9.0mm
Viewing Angle	75° ~ 36°

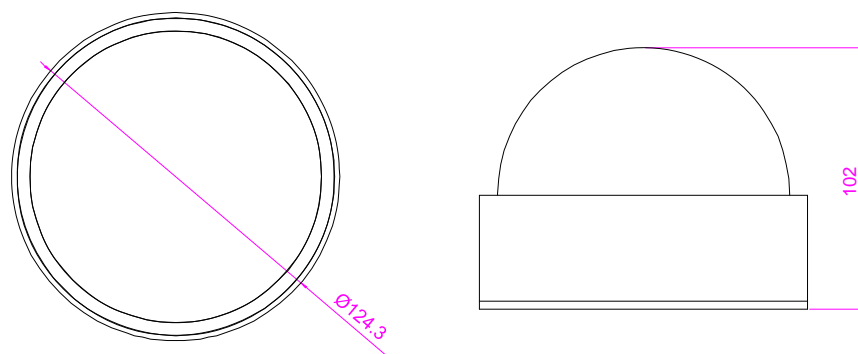
## SPECIFICATIONS (CONTINUED)

AVN222	
Smart Zoom	YES
White Balance	ATW
AGC	Auto
IRIS Mode	AES (default) / AI
IR Shift	Fixed
Power Source ( $\pm 10\%$ )	DC 12V / 2.9W
Current Consumption ( $\pm 10\%$ )	600mA
Dimensions	124.3( $\varnothing$ ) x 102(H)
Others	
Mobile Surveillance	iPhone, BlackBerry, WinCE, J2ME & Android
Motion Detection	YES
Alarm and event Notification	By FTP and Email
Minimum Web Browsing Requirements	<ul style="list-style-type: none"> <li>- Pentium 4 CPU 1.3 GHz or higher, or equivalent AMD</li> <li>- 256 MB RAM</li> <li>- AGP graphics card, Direct Draw, 32MB RAM</li> <li>- Windows 7, Vista, XP, 2000 Server, ME, 98, DirectX 9.0 or later</li> <li>- Internet Explorer 6.x or later</li> </ul>

\* The specifications are subject to change without notice.

\*\* Dimensional tolerance: ( $\pm 5\text{mm}$ )

## Dimensions





# AVN252

## Outdoor H.264 IR Network Camera



### FEATURES

- z True Day & Night surveillance & large aperture lens (F1.4)
- z The best cost / performance outdoor solution with IP67
- z IR effective distance up to 40 meters with 56 IR LEDs
- z Smart Light Control to avoid overexposure
- z Excellent outdoor ID design with cable management
- z Low-latency video streaming with H.264 compression format
- z Free CMS software with E-Map for multiple devices control & surveillance
- z Powerful mobile surveillance supporting iPhone, Blackberry & WinCE
- z Motion detection and alarm notification functions

### SPECIFICATIONS

AVN252	
■ Network	
Network Compression	H.264
LAN Port	YES
LAN Speed	10/100 Based-T Ethernet
Supported Protocols	DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP
Frame Rate	NTSC: 30, PAL: 25
Number of Online Users	10
Security	Multiple user access levels with password protection
Web management	(1) Web browsers, such as Internet Explorer, Mozilla FireFox or Google Chrome for single device access, or (2) Free CMS software, Video Viewer, for up to 16 network cameras control simultaneously
■ Camera	
Image Sensor	1/3" HR color CCD image sensor
Pixels	768(H) x 494(V) <NTSC> / 752(H) x 582(V)) <PAL>
Min Illumination	0.05 Lux / F1.4, 0 Lux (IR ON)
Shutter Speed	1 / 60 (1/50) to 1 / 100,000 sec.
S/N Ratio	More than 48dB (AGC off)
Lens	f6.0mm
Viewing Angle	48°

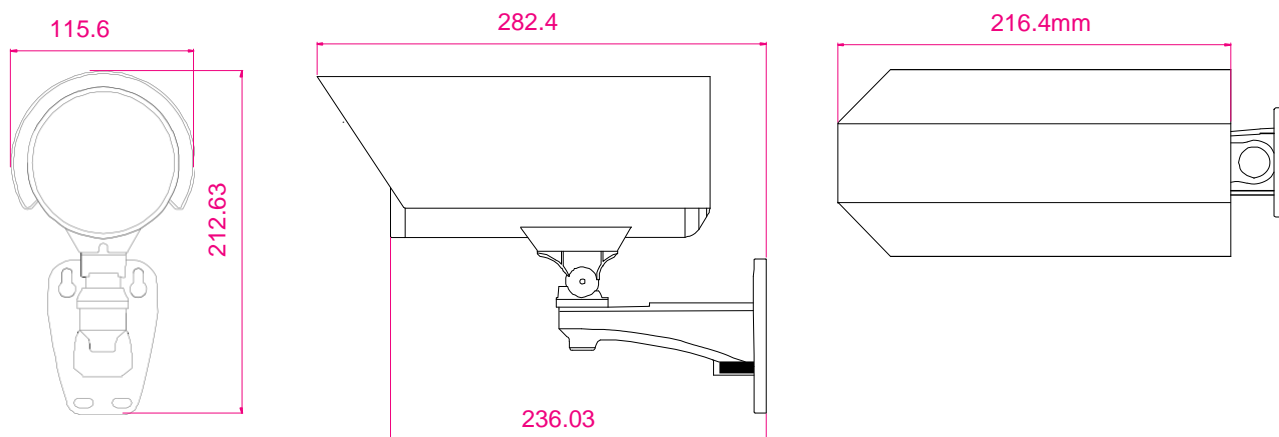
## SPECIFICATIONS (CONTINUED)

AVN252	
IR LED	56 units
IR Effective Range	Up to 40 meters
Smart Light Control	YES
White Balance	ATW
AGC	Auto
IRIS Mode	AES
IP Rating	IP67
Power Source ( $\pm 10\%$ )	DC12V / 1.5A
Startup Temperature	-10°C~40°C
Operating Temperature	-20°C~40°C
Dimensions (mm)**	282.4(L) x 115.6(W) x 212.63(H)
■ Others	
Mobile Surveillance	iPhone, BlackBerry & WinCE
Motion Detection	YES
Alarm and event Notification	By FTP and Email
Minimum Web Browsing Requirements	<ul style="list-style-type: none"> <li>- Pentium 4 CPU 1.3 GHz or higher, or equivalent AMD</li> <li>- 256 MB RAM</li> <li>- AGP graphics card, Direct Draw, 32MB RAM</li> <li>- Windows Vista, XP, Windows 2000 Server, ME, 98, DirectX 9.0 or later</li> <li>- Internet Explorer 6.x or later</li> </ul>

\* The specifications are subject to change without notice.

\*\* Dimensional tolerance: ( $\pm 5\text{mm}$ )

## Dimensions



# AVL683 / 681

## Professional 19" H.264 LCD Network DVR



### ④ Features

- ⌚ **Excellent Video Quality**  
True color 19" A grade LCD screen for video display
- ⌚ **H.264 Format**  
Small file size for longer recording time and faster network transmission
- ⌚ **Easy and Modular Installation Design**
  - Quick installation and more expandable for different demand
  - Optional wall-mounted bracket (VESA 100mm supported)
- ⌚ **Easy to Use**  
User friendly Graphical OSD and multi-language design make you easy to set up and program
- ⌚ **Multi-Tasking**  
Live display, recording, playback, backup & network operation simultaneously
- ⌚ Records up to 120 IPS (NTSC)/100 IPS (PAL) at CIF resolution
- ⌚ **Simple Backup** via a USB flash drive and network
- ⌚ Built-in speaker
- ⌚ Support IR remote control
- ⌚ 4 camera inputs and 4 audio inputs (AVL683 only)
- ⌚ Support DVR / PC Display Mode selectable (AVL683 only)

### ④ Specifications

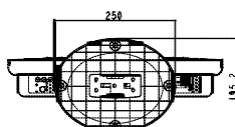
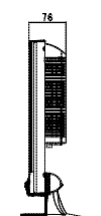
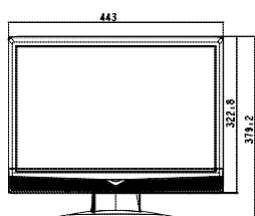
LCD Panel	AVL683	AVL681
Size	18.95" diagonal	
Resolution	1440 x 900 pixels	
Aspect Ratio	16:10	
Peak Brightness	300cd/m <sup>2</sup> (Typical)	
Contrast Ratio	1000 : 1 (Typical)	
Number of color	16.7M	
Response time	5 ms (Tr+Tf)(Typical)	
Viewing Angle	85/85/80/80 (CR ≥ 10)	
Powerful Scaling and Zooming Engine (Down/Up Scale Support)	YES	
Color Temperature Adjustment	YES	
On-Screen OSD function	YES	
Viewing Aspect Ratio	Full Screen (16:10)	
IR Control (RCU)	YES	
Built-in Speaker	Built-in 1 speaker (1 Watt)	
D-Sub Input	1 D-Sub Input (VGA 15 Pin)	



DVR	AVL683	AVL681
Video System	NTSC / PAL (auto detection)	
Video Compression Format	H.264	
Video Input	Four channels (composite video signal 1 Vp-p 75Ω BNC)	
Audio Input	Four audio inputs	One audio input
LCD Display Mode	Default / Normal / Full LCD display mode selectable	
Maximum Recording Rate (Frame)	720×480 pixels with 30 IPS <NTSC> / 720×576 pixels with 25 IPS <PAL>	
Maximum Recording Rate (Field)	720×240 pixels with 60 IPS <NTSC> / 720×288 pixels with 50 IPS <PAL>	NO
Maximum Recording Rate (CIF)	352×240 pixels with 120 IPS <NTSC> / 352×288 pixels with 100 IPS <PAL>	
Multilingual OSD	YES	
Image Quality Setting	Super Best, Best, High and Normal	
Hard Disk Storage	Accommodates 1 SATA HDD (capacity up to 2TB)	
Quick Search	Time / Event search mode	
SATA Interface	Built-in	
Recording Mode	Manual / Timer / Motion / Alarm / Remote	Manual / Timer / Motion / Remote
Multiplex Operation	Live display / record / playback / backup / network operations	
Motion Detection Area	16 × 12 grids per channel	Three pre-defined detection areas
Motion Detection Sensitivity	Four adjustable parameters for accurate detection	High / Medium / Low
Pre-alarm Recording	YES (8 MB)	
Backup Device	USB 2.0 flash drive / Network	
Web Transmitting Compression Format	H.264	
Ethernet	10/100 Base-T. Supports remote control and live view via Ethernet	
Web Interface	Licensed software "Video Viewer" / Internet Explorer or Mozilla Firefox web browser / QuickTime player (20 users access simultaneously)	
	*Operating System: Windows Vista / XP / 2000; Apple Mac	
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS	
IR Remote Control	YES (IR receiver built-in)	
PTZ Control	YES	NO
Alarm Input / Output	Four inputs, one output	NO
DVR / PC Display Mode	Switchable	NO
Key Lock (Password Protection)	YES	
Video Loss Detection	YES	
Camera Title	Supports up to six letters	
Video Adjustable	Hue / Saturation / Contrast / Brightness (0~255)	Hue / Saturation / Contrast / Brightness (15 levels from -7 to +7)
Date Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, and Off	
Daylight Saving	YES	
System Recovery	System auto recovery after power failure	
Power Consumption	22W	
Dimensions (mm)	443(L) x 379.2(H) x 195.2(D)	
Optional Peripherals	Keyboard controller	NO

\*The specifications are subject to change without notice.

## ④ Dimensions (unit: mm)





# AVD724A

# AVD724B

## 4CH H.264 Network DVR



### z Overview

Firstly, we would like to introduce “DCC System to you. DCC stands for DVR Camera Communication System. In this system, we allow users to control PTZ and zoom-lens cameras by our DVR via coaxial cables only. Users need not to connect RS485 cables for PTZ cameras. In this way, we can highly simplify the installation of PTZ cameras and outdoor vari-focal cameras. Users can zoom in or zoom out the lens directly by OSD menu control.

AVD724 is our 4CH H.264 DVR supporting DCC concept. With innovative H.264 technology utilized, AVD724 presents customers high-quality playback and live-similar network transfer. What’s more, we support playback for 4 channels simultaneously, which means you can get the overview of all your environments to get full pictures. What is more, AVD724 supports easy backup via DVD writer (optional) and USB flash drive backup. We sincerely invite you to log in our live demo site to experience its performance via remote surveillance.

### z Features

- ¾ **Supports DCC System**  
Controls speed dome and zoom lens cameras by coaxial cables only
- ¾ **H.264 Video Compression Technology**
  - Highly improves video quality for live, recording, and network
  - Recording file size is minimized for longest recording time
  - Lower bit rate required for fastest network transfer
- ¾ **Multiplex Operation**  
Allows users to operate live display / playback, record, backup and network operation at the same time
- ¾ **Audio Recording**  
Supports 4CH audio input and 1CH audio output
- ¾ **Quick Search**  
Supports time search, event (motion-triggered recording) search and alarm search
- ¾ **Easy Backup**  
Supports USB flash drive, DVD writer (optional), and network for easy backup
- ¾ **User-friendly OSD**  
Graphical & multi-language OSD makes operation easier and more user-friendly
- ¾ **Remote Independent Operation**  
Changing of live view on the remote side is independent from the local site
- ¾ **Central Management System**  
Supports Central Management System function for remote surveillance to monitor up to 16 different IP addresses easily
- ¾ **Low Cost Network Setup**  
Supports dynamic IP for users with limited budget
- ¾ **Easy and Free Upgrade**  
Releases new firmware for free upgrade to advanced functions, and the upgrade can be completed via USB flash drive or network.
- ¾ **Others**
  - Supports Frame / Field / CIF resolution for recording
  - Supports SATA HDDs
  - Supports Pelco-D for speed dome control
  - Supports day-light saving
  - Supports covert recording
  - Supports IR remote control
  - Supports auto recovery after power failure
  - Supports watch dog function after network disconnection

### z Specifications

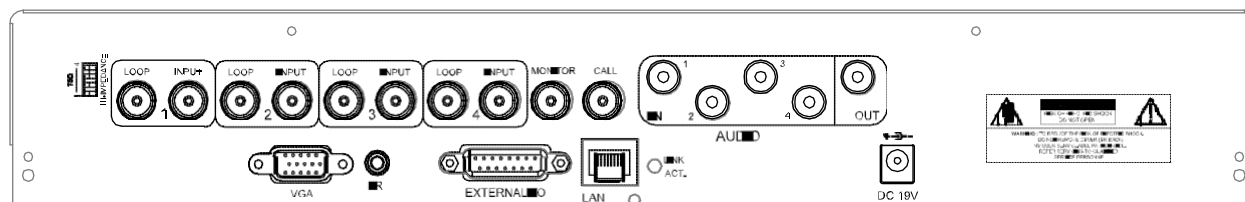
MODEL	AVD724A	AVD724B
Video System	NTSC / PAL (auto detection)	
Video Compression Format	H.264	
Video Input	4 Channels (Composite video signal 1 Vp-p 75Ω BNC)	
Video Loop Output	4 Channels (Composite video signal 1 Vp-p 75Ω BNC)	
Video Output (BNC)	Main Monitor Output: for stable display	
	Call Monitor Output: for sequence display	
Video Output (VGA)	Built-in VGA output for LCD monitor	
Audio Input	4 Channels (Mono)	
Audio Output	1 Channel (Mono)	
Multiplex Operating	Supports live display, recording, playback, backup, and network simultaneously	
Maximum Recording Rate (Frame)	30 IPS @ 720x480 <NTSC>	
	25 IPS @ 720x576 <PAL>	
Maximum Recording Rate (Field)	60 IPS @ 720x240 <NTSC>	
	50 IPS @ 720x288 <PAL>	
Maximum Recording Rate (CIF)	120 IPS @ 352x240 <NTSC>	
	100 IPS @ 352x288 <PAL>	
Recording Mode	Manual / Timer / Motion / Alarm / Remote	
Recording Quality Options	Best, High, Normal and Basic	
Pre-alarm Recording	YES (8 MB)	
HDD Type	SATA	
HDD Storage	Accommodates 2 SATA HDDs Supports Maximum HDD Capacity to 4 Tera Byte	Accommodates 1 SATA HDD Supports Maximum HDD Capacity to 2 Tera Byte
HDD Quick Cleaning	Delete HDD Data Efficiently (2TB within 2 seconds)	
Quick Search	Time / Motion / Alarm search mode	
USB Flash Drive Backup	YES	
DVD Writer Backup	NO	YES
Network Transfer Format	H.264	
Ethernet	10/100 Base-T.	
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS (Dynamic IP)	
Network Surveillance Interface	Licensed software "Video Viewer" / Internet Explorer or Mozilla Firefox web browser / QuickTime player (20 users on-line simultaneously)	
Independent Network	Basic independent	
Network Alarm Notification	E-mail and FTP server CMS	
(Central Management System)	YES (Maximum: 16 different IPs)	
Network E-map Function	Customized map for IP selection	
R.E.T.R. (Remote Event Trigger Recording)	YES	
Operating System for Network Function	Windows Vista / XP / 2000; Apple MAC OS	
IR Remote Control	YES	
Multilingual OSD	YES	

MODEL	AVD724A	AVD724B
Motion Detection Area	16 × 12 grids per channel	
Motion Detection Sensitivity	4 adjustable parameters for accurate detection	
PTZ Control	Pelco-D / DCC control	
External Alarm	4 inputs, 1 output	
Picture Zoom	2X digital zoom	
Key Lock (Password Protection)	YES	
Video Loss Detection	YES	
Camera Title	Supports up to 6 letters	
Video Adjustable	Hue / Color / Contrast / Brightness	
Date Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, and Off	
Daylight Saving	YES	
Power Source (±10%)	DC 19V	
Power Consumption (±10%)	< 42 W	
Operating Temperature	10°C ~ 40°C (50°F~104°F)	
Dimensions (mm)**	375 (W) × 61 (H) × 281 (D)	
System Recovery	System auto recovery after power failure	
Optional Peripherals	Keyboard controller	
DCC System Function	YES	

\*The specifications are subject to change without notice

\*\* Dimensional tolerance: ±5mm

## z Rear Panel





# AVC796A

## 8CH H.264 DVR

USB Mouse Control with GUI Display



## FEATURES

### USB Mouse Control with GUI OSD

- ✎ The GUI OSD interface is provided and used with your USB mouse.

### Intelligent Motion Recording

- ✎ Only the channel with an event will be recorded to effectively save a significant amount of hard disk space and have the maximized recording time.
- ✎ Supports pre-alarm recording.

### All-Channels Playback Simultaneously

- ✎ Supports all-channels playback simultaneously to quickly preview what happened in each channel.

### Remote Surveillance

- ✎ Mobile surveillance via many popular mobile platforms, such as iPhone, BlackBerry, WinCE, J2ME & Android are supported to fulfill various user demands.
- ✎ Network surveillance via the licensed software "Video Viewer", Internet Explorer, Mozilla Firefox or Google Chrome web browser, and QuickTime player is supported with up to 10 users' login simultaneously.

### Remote Independent Operation

- ✎ Channel switching & video playback are fully independent from the local site, allowing users to have private image monitoring remotely.

### H.264 Video Compression Technology

- ✎ Highly improves video quality for live, recording, and network.
- ✎ Recording file size is minimized for longest recording time.
- ✎ Lower bit rate required for fastest network transfer.

### Multiplex

- ✎ Allows live display, record, playback, backup and network operation at the same time.

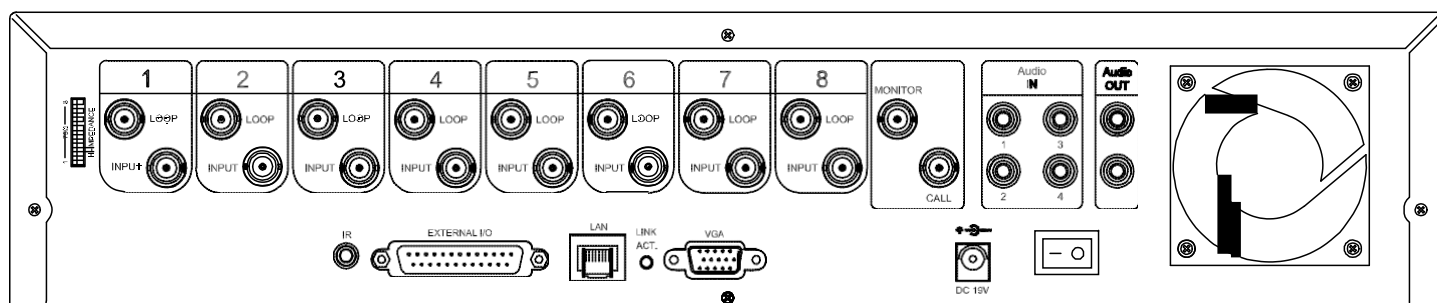
### Backup Function

- ✎ Supports DVD writer (optional), USB flash drive and network backup.

### Audio / Video Support

- ✎ 4 audio-in, 2 audio-out to record sounds.
- ✎ VGA interface built-in.

## REAR PANEL



## SPECIFICATIONS

Video System		NTSC / PAL (auto detection)
Video Compression Format		H.264
Video Input		8 channels (Composite video signal 1 Vp-p 75Ω BNC)
Video Loop Output		8 channels (Composite video signal 1 Vp-p 75Ω BNC)
Video Output (BNC)	Main Monitor	For stable display
	Call Monitor	For sequence display
Video Output (VGA)		Built-in VGA interface for LCD monitor
Audio Input / Output		4 audio inputs, 2 audio output (Mono)
Maximum Recording Rate	Frame	704x480 pixels with 60 IPS <NTSC> / 704x576 pixels with 50 IPS <PAL>
	Field	704x240 pixels with 120 IPS <NTSC> / 704x288 pixels with 100 IPS <PAL>
	CIF	352x240 pixels with 240 IPS <NTSC> / 352x288 pixels with 200 IPS <PAL>
Image Quality Setting		SUPER BEST / BEST / HIGH / NORMAL
Hard Disk Storage		Accommodates 2 SATA HDDs (1 HDD capacity up to 2TB)
Quick Search		Time / Motion / Alarm search mode
SATA Interface		Built-in
Recording Mode		Manual / Timer / Motion / Alarm / Remote
Multiplex Operation		Live display / record / playback / backup / network operations
USB Mouse Control		YES
Motion Detection Area		16 × 12 grids per channel
Motion Detection Sensitivity		3 adjustable parameters for accurate detection
Pre-alarm Recording		YES
Backup Device		DVD Writer (optional) / USB 2.0 flash drive / Network
Web Transmitting Compression Format		H.264
Ethernet		10/100 Base-T. Supports remote control and live view via Ethernet
Web Interface		Licensed software "Video Viewer" / Internet Explorer, Mozilla Firefox or Google Chrome web browser / QuickTime player (10 users access simultaneously) *Operating System: Windows 7 / Vista / XP / 2000
Network Protocol		TCP/IP, PPPOE, DHCP and DDNS
Fully Remote Independent Operation		YES
Event Notification		By FTP & E-Mail
R.E.T.R. (Remote Event Trigger Recording)		YES
IR Remote Control		YES (IR receiver built-in)
Mobile Surveillance		YES (Including iPhone, BlackBerry, WinCE, J2ME & Android)
Picture Zoom		2X digital zoom
PTZ Control		YES
Alarm I/O		8 inputs, 1 output
Key Lock (Password Protection)		YES
User Level		Administrator & Operator
Video Loss Detection		YES
Camera Title		Supports up to 6 letters
Video Adjustable		Hue / Saturation / Contrast / Brightness
Date Display Format		YY/MM/DD, DD/MM/YY & MM/DD/YY
Daylight Saving		YES
Power Source (±10%)		DC 19V
Power Consumption (±10%)		< 64 W
Operating Temperature		10°C ~ 40°C (50°F~104°F)
Dimensions (mm)**		432(W) × 90(H) × 326(D)
System Recovery		System auto recovery after power failure
Optional Peripherals		Keyboard Controller

\*The specifications are subject to change without notice.

\*\* Dimensional tolerance: ±5mm





# AVC793D

## 4CH H.264 DVR

USB Mouse Control with GUI Display



Cell Phone  
Control



USB Mouse  
Control



Graphical  
OSD

## FEATURES

### USB Mouse Control with GUI OSD

- ✎ The GUI OSD interface is provided and used with your USB mouse.

### DVR / Camera Communication System (DCCS)

- ✎ For PTZ or zoom-lens control cameras, there's no need to additionally connect RS485 control wires for camera control because the control signals can be transferred by coaxial cables directly.
- ✎ Camera installation is highly simplified to lower labor cost and working hours.

### Intelligent Surveillance

- ✎ **Virtual Fence**  
A virtual intruder detection line is set to detect intruders coming from the specified direction and cross the detection line.
- ✎ **Flow Counting**  
A virtual detection line is set to detect the moving direction of pedestrians for flow counting.
- ✎ **Single Channel Motion Recording**  
Only the channel with an event will be recorded to effectively save a significant amount of hard disk space and have the maximized recording time.
- ✎ Supports pre-alarm recording.

### Remote Surveillance

- ✎ Mobile surveillance via our self-developed and free program, "EagleEye", is supported on many popular mobile platforms, such as iPhone, BlackBerry & WinCE.
- ✎ Network surveillance via the licensed software "Video Viewer", Internet Explorer, Mozilla Firefox or Google Chrome web browser, and QuickTime player is supported with up to 10 users' login simultaneously.

### Fully Remote Independent Operation

- ✎ Channel switching & video playback are fully independent from the local site, allowing users to have private image monitoring remotely.

### H.264 Video Compression Technology

- ✎ Highly improves video quality for live, recording, and network.
- ✎ Recording file size is minimized for longest recording time.
- ✎ Lower bit rate required for fastest network transfer.

### Multiplex

- ✎ Allows live display, record, playback, backup and network operation at the same time.

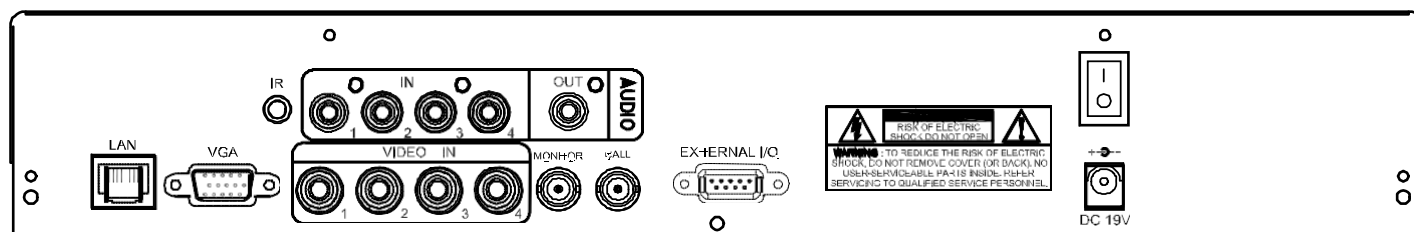
### Backup Function

- ✎ Supports DVD writer, USB flash drive and network backup.

### Audio / Video Support

- ✎ 4 audio-in, 1 audio-out to record sounds.
- ✎ VGA interface built-in.

## REAR PANEL



## SPECIFICATIONS

Video System		NTSC / PAL (auto detection)
Video Compression Format		H.264
Video Input		4 channels (Composite video signal 1 Vp-p 75Ω BNC)
Video Output (BNC)	Main Monitor	For stable display
	Call Monitor	For sequence display
Video Output (VGA)		Built-in VGA interface for LCD monitor
Audio Input / Output		4 audio inputs, 1 audio output (Mono)
Maximum Recording Rate	Frame	704×480 pixels with 30 IPS <NTSC> / 704×576 pixels with 25 IPS <PAL>
	Field	704×240 pixels with 60 IPS <NTSC> / 704×288 pixels with 50 IPS <PAL>
	CIF	352×240 pixels with 120 IPS <NTSC> / 352×288 pixels with 100 IPS <PAL>
DCCS Support		YES (1 channel)
Image Quality Setting		SUPER BEST / BEST / HIGH / NORMAL
Hard Disk Storage		Accommodates 1 SATA HDD (capacity up to 2TB)
Quick Search		Time / Motion / Alarm search mode
SATA Interface		Built-in
Recording Mode		Manual / Timer / Motion / Alarm / Remote
Multiplex Operation		Live display / record / playback / backup / network operations
USB Mouse Control		YES
Motion Detection Area		16 × 12 grids per channel
Motion Detection Sensitivity		3 adjustable parameters for accurate detection
Pre-alarm Recording		YES
Backup Device		USB 2.0 flash drive / Network / DVD Writer
Web Transmitting Compression Format		H.264
Ethernet		10/100 Base-T. Supports remote control and live view via Ethernet
Web Interface		Licensed software "Video Viewer" / Internet Explorer, Mozilla Firefox or Google Chrome web browser / QuickTime player (10 users access simultaneously) *Operating System: Windows 7 / Vista / XP / 2000
Network Protocol		TCP/IP, PPPOE, DHCP and DDNS
Fully Remote Independent Operation		YES
Event Notification		By FTP & E-Mail
R.E.T.R. (Remote Event Trigger Recording)		YES
IR Remote Control		YES (IR receiver built-in)
Mobile Surveillance		YES (Including iPhone & BlackBerry)
Picture Zoom		2X digital zoom
PTZ Control		YES
Alarm I/O		4 inputs, 1 output
Key Lock (Password Protection)		YES
User Level		Administrator & Operator
Video Loss Detection		YES
Camera Title		Supports up to 6 letters
Video Adjustable		Hue / Saturation / Contrast / Brightness
Date Display Format		YY/MM/DD, DD/MM/YY & MM/DD/YY
Daylight Saving		YES
Power Source (±10%)		DC 19V
Power Consumption (±10%)		< 42 W
Operating Temperature		10°C ~ 40°C (50°F~104°F)
Dimensions (mm)**		343(W) x 59(H) x 223(D)
System Recovery		System auto recovery after power failure
Optional Peripherals		Keyboard Controller

\*The specifications are subject to change without notice.

\*\* Dimensional tolerance: ±5mm





# AVC791A

## 4CH H.264 DVR

USB Mouse Control with GUI Display



Cell Phone Control



USB Mouse Control



Graphical OSD

## FEATURES

### USB Mouse Control with GUI OSD

- ☞ The GUI OSD interface is provided and used with your USB mouse.

### Intelligent Motion Trigger Recording

#### ☞ **Single Channel Motion Recording**

Only the channel with an event will be recorded to effectively save a significant amount of hard disk space and have the maximized recording time.

- ☞ Supports pre-alarm recording.

### Remote Surveillance

- ☞ Mobile surveillance via our self-developed and free program, "EagleEye", is supported on many popular mobile platforms, such as iPhone, BlackBerry & WinCE.
- ☞ Network surveillance via the licensed software "Video Viewer", Internet Explorer, Mozilla Firefox or Google Chrome web browser, and QuickTime player is supported with up to 10 users' login simultaneously.

### Fully Remote Independent Operation

- ☞ Channel switching & video playback are fully independent from the local site, allowing users to have private image monitoring remotely.

### H.264 Video Compression Technology

- ☞ Highly improves video quality for live, recording, and network.
- ☞ Recording file size is minimized for longest recording time.
- ☞ Lower bit rate required for fastest network transfer.

### Multiplex

- ☞ Allows live display, record, playback, backup and network operation at the same time.

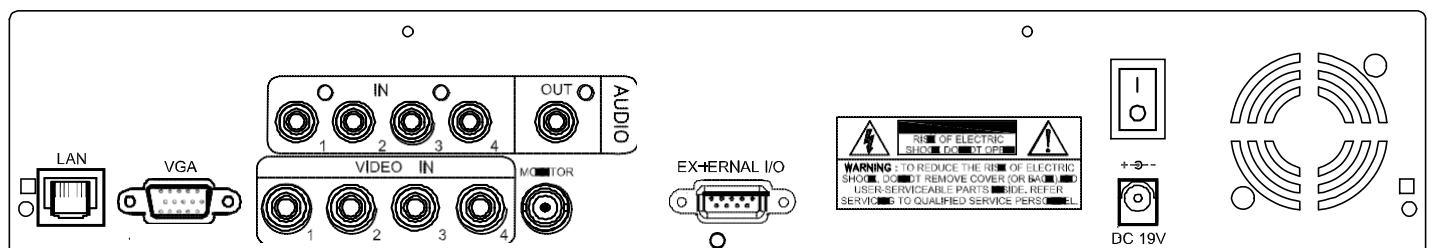
### Backup Function

- ☞ Supports USB flash drive and network backup.

### Audio / Video Support

- ☞ 4 audio-in, 1 audio-out to record sounds.
- ☞ VGA interface built-in.

## REAR PANEL



## SPECIFICATIONS

Video System		NTSC / PAL (auto detection)	
Video Compression Format		H.264	
Video Input (Composite video signal 1 Vp-p 75Ω BNC)		4 channels	
Video Output (BNC)		Main Monitor Output: for stable display	
Audio Input / Output		4 audio inputs, 1 audio output (Mono)	
Maximum Recording Rate	Frame	704×480 pixels with 30 IPS <NTSC> / 704×576 pixels with 25 IPS <PAL>	
	Field	704×240 pixels with 60 IPS <NTSC> / 704×288 pixels with 50 IPS <PAL>	
	CIF	352×240 pixels with 120 IPS <NTSC> / 352×288 pixels with 100 IPS <PAL>	
Image Quality Setting		SUPER BEST / BEST / HIGH / NORMAL	
Hard Disk Storage		Accommodates 1 SATA HDD (capacity up to 2TB)	
Quick Search		Time / Motion / Alarm search mode	
SATA Interface		Built-in	
VGA Interface		Built-in	
Recording Mode		Manual / Timer / Motion / Alarm / Remote	
Multiplex Operation		Live display / record / playback / backup / network operations	
USB Mouse Control		YES	
Motion Detection Area		16 × 12 grids per channel	
Motion Detection Sensitivity		3 adjustable parameters for accurate detection	
Pre-alarm Recording		YES	
Backup Device		USB 2.0 flash drive / Network	
Web Transmitting Compression Format		H.264	
Ethernet		10/100 Base-T. Supports remote control and live view via Ethernet	
Web Interface		Licensed software "Video Viewer" / Internet Explorer, Mozilla Firefox or Google Chrome web browser / QuickTime player (5 users access simultaneously) *Operating System: Windows 7 / Vista / XP / 2000	
Network Protocol		TCP/IP, PPPOE, DHCP and DDNS	
Fully Remote Independent Operation		YES	
Event Notification		By FTP & E-Mail	
IR Remote Control		YES (IR receiver built-in)	
Mobile Surveillance		YES (Including iPhone & BlackBerry)	
Picture Zoom		2X digital zoom	
PTZ Control		YES	
Alarm I/O		4 inputs, 1 output	
Key Lock (Password Protection)		YES	
User Level		Administrator & Operator	
Video Loss Detection		YES	
Camera Title		Supports up to 6 letters	
Video Adjustable		Hue / Saturation / Contrast / Brightness	
Date Display Format		YY/MM/DD, DD/MM/YY & MM/DD/YY	
Daylight Saving		YES	
Power Source (±10%)		DC 19V	
Power Consumption (±10%)		< 42 W	
Operating Temperature		10°C ~ 40°C (50°F~104°F)	
Dimensions (mm)**		343(W) x 59(H) x 223(D)	
System Recovery		System auto recovery after power failure	
Optional Peripherals		Keyboard Controller	

\*The specifications are subject to change without notice.

\*\* Dimensional tolerance: ±5mm



# AVC798A

## 16CH H.264 DVR

USB Mouse Control with GUI Display



Cell Phone  
Control



USB Mouse  
Control



Graphical  
OSD

## FEATURES

### USB Mouse Control with GUI OSD

- ✎ The GUI OSD interface is provided and used with your USB mouse.

### Intelligent Motion Recording

- ✎ Only the channel with an event will be recorded to effectively save a significant amount of hard disk space and have the maximized recording time.
- ✎ Supports pre-alarm recording.

### All-Channels Playback Simultaneously

- ✎ Supports all-channels playback simultaneously to quickly preview what happened in each channel.

### Remote Surveillance

- ✎ Mobile surveillance via many popular mobile platforms, such as iPhone, BlackBerry, WinCE, J2ME & Android are supported to fulfill various user demands.
- ✎ Network surveillance via the licensed software "Video Viewer", Internet Explorer, Mozilla Firefox or Google Chrome web browser, and QuickTime player is supported with up to 10 users' login simultaneously.

### Remote Independent Operation

- ✎ Channel switching & video playback are fully independent from the local site, allowing users to have private image monitoring remotely.

### H.264 Video Compression Technology

- ✎ Highly improves video quality for live, recording, and network.
- ✎ Recording file size is minimized for longest recording time.
- ✎ Lower bit rate required for fastest network transfer.

### Multiplex

- ✎ Allows live display, record, playback, backup and network operation at the same time.

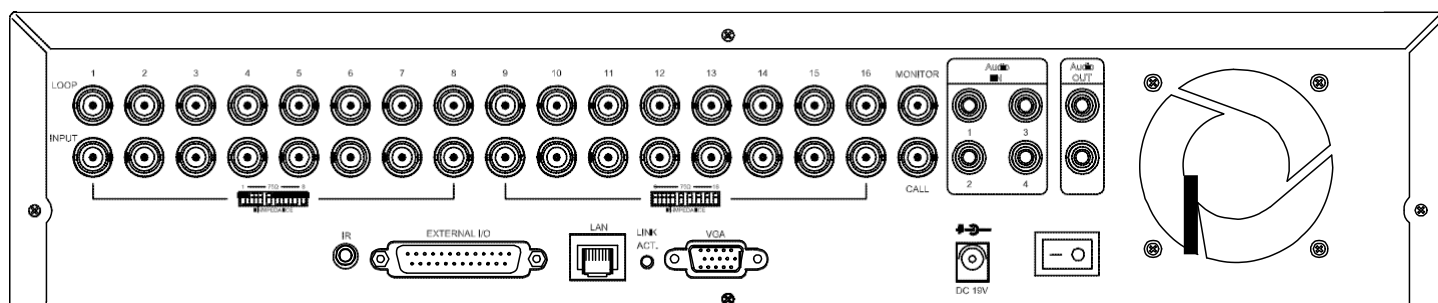
### Backup Function

- ✎ Supports DVD writer (optional), USB flash drive and network backup.

### Audio / Video Support

- ✎ 4 audio-in, 2 audio-out to record sounds.
- ✎ VGA interface built-in.

## REAR PANEL



## SPECIFICATIONS

Video System		NTSC / PAL (auto detection)
Video Compression Format		H.264
Video Input		16 channels (Composite video signal 1 Vp-p 75Ω BNC)
Video Loop Output		16 channels (Composite video signal 1 Vp-p 75Ω BNC)
Video Output (BNC)	Main Monitor	For stable display
	Call Monitor	For sequence display
Video Output (VGA)		Built-in VGA interface for LCD monitor
Audio Input / Output		4 audio inputs, 2 audio output (Mono)
Maximum Recording Rate	Frame	704x480 pixels with 120 IPS <NTSC> / 704x576 pixels with 100 IPS <PAL>
	Field	704x240 pixels with 240 IPS <NTSC> / 704x288 pixels with 200 IPS <PAL>
	CIF	352x240 pixels with 480 IPS <NTSC> / 352x288 pixels with 400 IPS <PAL>
Image Quality Setting		SUPER BEST / BEST / HIGH / NORMAL
Hard Disk Storage		Accommodates 2 SATA HDDs (1 HDD capacity up to 2TB)
Quick Search		Time / Motion / Alarm search mode
SATA Interface		Built-in
Recording Mode		Manual / Timer / Motion / Alarm / Remote
Multiplex Operation		Live display / record / playback / backup / network operations
USB Mouse Control		YES
Motion Detection Area		16 × 12 grids per channel
Motion Detection Sensitivity		3 adjustable parameters for accurate detection
Pre-alarm Recording		YES
Backup Device		DVD Writer (optional) / USB 2.0 flash drive / Network
Web Transmitting Compression Format		H.264
Ethernet		10/100 Base-T. Supports remote control and live view via Ethernet
Web Interface		Licensed software "Video Viewer" / Internet Explorer, Mozilla Firefox or Google Chrome web browser / QuickTime player (10 users access simultaneously) *Operating System: Windows 7 / Vista / XP / 2000
Network Protocol		TCP/IP, PPPOE, DHCP and DDNS
Fully Remote Independent Operation		YES
Event Notification		By FTP & E-Mail
R.E.T.R. (Remote Event Trigger Recording)		YES
IR Remote Control		YES (IR receiver built-in)
Mobile Surveillance		YES (Including iPhone, BlackBerry, WinCE, J2ME & Android)
Picture Zoom		2X digital zoom
PTZ Control		YES
Alarm I/O		16 inputs, 1 output
Key Lock (Password Protection)		YES
User Level		Administrator & Operator
Video Loss Detection		YES
Camera Title		Supports up to 6 letters
Video Adjustable		Hue / Saturation / Contrast / Brightness
Date Display Format		YY/MM/DD, DD/MM/YY & MM/DD/YY
Daylight Saving		YES
Power Source (±10%)		DC 19V
Power Consumption (±10%)		< 64 W
Operating Temperature		10°C ~ 40°C (50°F~104°F)
Dimensions (mm)**		432(W) × 90(H) × 326(D)
System Recovery		System auto recovery after power failure
Optional Peripherals		Keyboard Controller

\*The specifications are subject to change without notice.

\*\* Dimensional tolerance: ±5mm

# AVP325A

## Professional Outdoor Speed Dome Camera 22X Zoom Speed Dome Camera



### Product Overview

Equipped with a 360° pan and 90° tilt base and 22X optical zoom lens, this outdoor type speed dome camera is capable of following the moving object precisely with **Intelligent Auto Tracking**, and long-time operation with **High Spindle Reliability**. Moreover, its **Friendly Graphical OSD Interface** and **Convenient Keyboard Controller Control** support make the operation and surveillance simpler. With all these strong features, various demanding applications for safety surveillance can be easily achieved.

### Features

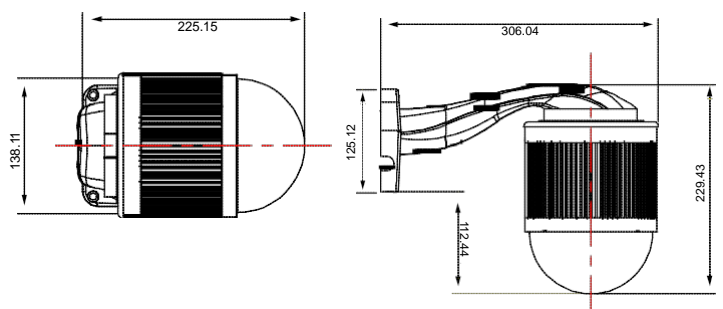
- ◎ **Advanced Auto Tracking Accuracy**  
-- to follow the moving object
- ◎ **Smart Zoom**  
-- to automatically zoom in the moving object & Auto-focus zoom lens
- ◎ **Rigid & High-Speed Pan / Tilt Mechanism with Two-Million Rotation Test Passed**  
-- for longer operating lifetime
- ◎ **Pelco-D & Pelco-P Support**  
-- for higher compatibility
- ◎ **Flexible Color / Shutter Parameters Adjustment**  
-- to adapt various light conditions
- ◎ **Hot Point**
- ◎ **Graphical On-Screen Display**
- ◎ **Excellent outdoor ID design with cable management**
- ◎ **Ambient Operating Temperature -20°C ~ 50°C (-4°F ~ 122 °F)**
- ◎ Easy Operation via Keyboard Controller
- ◎ IP66, suitable for outdoor use
- ◎ Up to 256 preset points & eight preset groups, and Auto Scan

### Optional Peripheral



Keyboard Controller

### Dimensions



## SPECIFICATIONS

GENERAL	
Signal System	NTSC or PAL
Pick-up Element	1/4" Sony Color Super HAD CCD image sensor
Number of Pixels	768(H)*494(V)<NTSC> / 752(H)*582(V)<PAL>
Resolution	480TV lines
Min. Illumination	0.3 Lux / F1.6
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0 Vp-p. 75Ω
BLC	On / Off
Gain Control	Low, Medium & High / Off
Sharpness	Low / Medium / High
White Balance	Auto / Indoor 1 / Indoor 2 / Sun / Cloudy * Indoor1 = 9000K; Indoor2 = 3000K; Sun = 5500K; Cloudy = 7000K
Camera Title	10 characters
Preset Points and Sequence	Total 8 groups, 256 programmable preset points * The sequence of all the preset points will follow the order of the minimal panning route.
Auto Tracking	Yes (combined with auto zoom focus tracking)
LENS	
Focal Length	f3.9 mm ~ f85.9 mm
F-number	F1.6 (Wide) ~ 3.7 (Tele)
Viewing Angle	4°~ 60°
Auto Electronic Shutter	1 / 60 (1/50) to 1 / 100,000 sec.
Auto Focus	Manual / Auto
MECHANISM	
PanRange	360°
Pan Speed	360°/ 1 sec * The pan speed can be adjusted according to the different pan speed mode.
TiltRange	90°
Tilt Speed	0°~ 90°under 1 sec
Zoom Ratio	22X optical zoom

Zoom Speed	Approx. 7s (Tele ~ Wide)
<b>OTHERS</b>	
IP Rating	IP66
Ambient Operating Temperature	-20°C ~ 50°C (-4°F ~ 122 °F) Fan: 40°C on, 30°C off Heater: 5°C on, 15°C off
Power Source	DC12V ± 10%
Current Consumption	3.3A (max)
Optional Device	Keyboard controller

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ±5mm



## OVERVIEW

### **FULL – FUNCTIONALITY**

#### ***One controller controls all devices***

This product is compatible with all our PTZ cameras, DVR and door access control.



## FEATURES

- z Controls up to 64 devices through one keyboard controller  
(Devices such as the PTZ camera, DVR and door access control...etc.)
- z User-friendly button placement & LCD touch panel (128 \* 64 pixels) for easy operation
- z Network upgrade available for future scalability
- z Supports Multi-protocols
- z Password protection to prevent unauthorized intruder
- z Built-in microphone for broadcast function

## SPECIFICATION

### AVP101 Controller

Device Control	PTZ camera, DVR and door access control...etc.
Remote Control	RS-485
Multi-Protocols	Yes
Baud Rate	2400 ~ 115200
LCD Display	128*64
Ethernet Port	10/100 Base-T
External I/O Port	9 Pin D-Sub
Input Voltage	DC12V
Power Consumption	< 2W
Operating Temperature	0°C ~ +40°C
Operating Humidity	< 95%
Dimension	380 (W) mm x 180 (H) mm x 95 (D) mm

\* The specifications are subject to change without notice.



## AVP322A

### Outdoor 22X Zoom Speed Dome Camera



#### Product Overview

Equipped with a 360° pan and 90° tilt base and 22X optical zoom lens, this outdoor type speed dome camera is capable of following the moving object precisely with **Intelligent Auto Tracking**, and long-time operation with **High Spindle Reliability**. Moreover, its **Friendly Graphical OSD Interface** and **Convenient Keyboard Controller Control** support make the operation and surveillance simpler. With all these strong features, various demanding applications for safety surveillance can be easily achieved.

#### Features

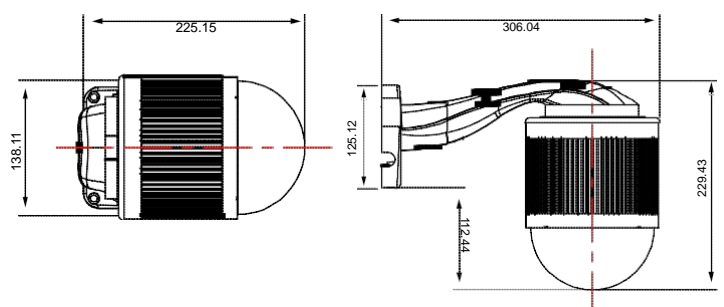
- ◎ **Advanced Auto Tracking Accuracy**
  - to follow the moving object
- ◎ **Smart Zoom**
  - to automatically zoom in the moving object
- ◎ **Rigid & High-Speed Pan / Tilt Mechanism with Two-Million Rotation Test Passed**
  - for longer operating lifetime
- ◎ **Pelco-D & Pelco-P Support**
  - for higher compatibility
- ◎ **Flexible Color / Shutter Parameters Adjustment**
  - to adapt various light conditions
- ◎ Graphical On-Screen Display
- ◎ Hot Point
- ◎ Easy Operation via Keyboard Controller
- ◎ IP67, suitable for outdoor use
- ◎ Up to 256 preset points & eight preset groups, and Auto Scan

#### Optional Peripheral



**Keyboard Controller**

#### Dimensions



## SPECIFICATIONS

<b>■ GENERAL</b>	
Signal System	NTSC or PAL
Pick-up Element	1/4" Sony Color Super HAD CCD image sensor
Number of Pixels	768(H)*494(V)<NTSC> / 752(H)*582(V)<PAL>
Resolution	480TV lines
Min. Illumination	0.3 Lux / F1.6
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0 Vp-p. 75Ω
BLC	On / Off
Gain Control	Low, Medium & High / Off
Sharpness	Low / Medium / High
White Balance	Auto / Indoor 1 / Indoor 2 / Sun / Cloudy * Indoor1 = 9000K; Indoor2 = 3000K; Sun = 5500K; Cloudy = 7000K
Camera Title	10 characters
Preset Points and Sequence	Total 8 groups, 256 programmable preset points * The sequence of all the preset points will follow the order of the minimal panning route.
Auto Tracking	Yes (combined with auto zoom focus tracking)
<b>■ LENS</b>	
Focal Length	f3.9 mm ~ f85.9 mm
F-number	F1.6 (Wide) ~ 3.7 (Tele)
Viewing Angle	40° ~ 60°
Auto Electronic Shutter	1 / 60 (1/50) to 1 / 100,000 sec.
Auto Focus	Manual / Auto
<b>■ MECHANISM</b>	
Pan Range	360°
Pan Speed	360° / 1 sec * The pan speed can be adjusted according to the different pan speed mode.
Tilt Range	90°
Tilt Speed	0° ~ 90° under 1 sec
Zoom Ratio	22X optical zoom
Zoom Speed	Approx. 7s (Tele ~ Wide)
<b>■ OTHERS</b>	
IP Rating	IP67
Ambient Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Power Source (±10%)	DC12V
Current Consumption	1.5 A (max)
Dimension (mm)**	145(Ø) x 184(H)
Gross Weight (g)	Approx. 1.2 kg
Optional Bracket	Wall-mounted
Optional Device	Keyboard controller

\* The specifications are subject to change without notice.

\*\* Dimensional Tolerance: ±5mm